```
PPPPPPPPPPP        AAAAAAAAA      SSSSSSSSSSSS  RRRRRRRRRRR   TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP       AAAAAAAAA      SSSSSSSSSSSS  RRRRRRRRRRR   TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP       AAAAAAAAA      SSSSSSSSSSSS  RRRRRRRRRRR   TTTTTTTTTTTTTTT  LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPP        PPP  AAA        AAA  SSS            RRR       RRR       TTT         LLL
PPPPPPPPPPPP    AAA        AAA      SSSSSSSS    RRRRRRRRRRR        TTT         LLL
PPPPPPPPPPPP    AAA        AAA      SSSSSSSS    RRRRRRRRRRR        TTT         LLL
PPPPPPPPPPPP    AAA        AAA      SSSSSSSS    RRRRRRRRRRR        TTT         LLL
PPP             AAAAAAAAAAAAAAA           SSS   RRR  RRR           TTT         LLL
PPP             AAAAAAAAAAAAAAA           SSS   RRR  RRR           TTT         LLL
PPP             AAAAAAAAAAAAAAA           SSS   RRR  RRR           TTT         LLL
PPP             AAA        AAA            SSS   RRR      RRR       TTT         LLL
PPP             AAA        AAA            SSS   RRR       RRR      TTT         LLL
PPP             AAA        AAA            SSS   RRR       RRR      TTT         LLL
PPP             AAA        AAA  SSSSSSSSSSSS    RRR       RRR      TTT         LLLLLLLLLLLLLL
PPP             AAA        AAA  SSSSSSSSSSSS    RRR       RRR      TTT         LLLLLLLLLLLLLL
PPP             AAA        AAA  SSSSSSSSSSSS    RRR       RRR      TTT         LLLLLLLLLLLLLL
```

```
PPPPPPP      AAAAAA      SSSSSSSS  TTTTTTTTTT  IIIIII   MM        MM  EEEEEEEEEE
PPPPPPP      AAAAAA      SSSSSSSS  TTTTTTTTTT  IIIIII   MM        MM  EEEEEEEEEE
PP      PP   AA    AA    SS            TT        II     MMMM    MMMM  EE
PP      PP   AA    AA    SS            TT        II     MMMM    MMMM  EE
PP      PP   AA    AA    SS            TT        II     MM  MM  MM    EE
PP      PP   AA    AA    SS            TT        II     MM  MM  MM    EE
PPPPPPPP     AA    AA    SSSSSS        TT        II     MM        MM  EEEEEEEE
PPPPPPPP     AA    AA    SSSSSS        TT        II     MM        MM  EEEEEEEE
PP           AAAAAAAAAA      SS        TT        II     MM        MM  EE
PP           AAAAAAAAAA      SS        TT        II     MM        MM  EE
PP           AA    AA        SS        TT        II     MM        MM  EE          ....
PP           AA    AA        SS        TT        II     MM        MM  EE          ....
PP           AA    AA    SSSSSSSS      TT      IIIIII   MM        MM  EEEEEEEEEE   ....
PP           AA    AA    SSSSSSSS      TT      IIIIII   MM        MM  EEEEEEEEEE   ....


LL            IIIIII     SSSSSSSS
LL            IIIIII     SSSSSSSS
LL              II             SS
LL              II             SS
LL              II             SS
LL              II       SSSSSS
LL              II       SSSSSS
LL              II             SS
LL              II             SS
LL              II             SS
LL              II             SS
LLLLLLLLLL    IIIIII     SSSSSSSS
LLLLLLLLLL    IIIIII     SSSSSSSS
```

```
0000    1              .TITLE  PAS$TIME - Return system time
0000    2              .IDENT  /1-001/                    ; File: PASTIME.MAR Edit: SBL1001
0000    3
0000    4
0000    5      ;
0000    6      ;*****************************************************************
0000    7      ;*
0000    8      ;* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                      *
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0000   25      ;*                                                              *
0000   26      ;*                                                              *
0000   27      ;*****************************************************************
0000   28      ;
0000   29      ;++
0000   30      ; FACILITY: Pascal Language Support
0000   31      ;
0000   32      ; ABSTRACT:
0000   33      ;
0000   34      ;     This module contains PAS$TIME which returns the current system
0000   35      ;     time as an 11-character string by reference.
0000   36      ;
0000   37      ; ENVIRONMENT: Runs at any access mode, AST Reentrant
0000   38      ;
0000   39      ; AUTHOR: Steven B. Lionel, CREATION DATE: 6-Nov-1980
0000   40      ;
0000   41      ; MODIFIED BY:
0000   42      ;
0000   43      ; 1-001 - Original. SBL 6-Nov-1980
0000   44      ;--
```

```
                    0000      46              .SBTTL   DECLARATIONS
                    0000      47  ;
                    0000      48  ; LIBRARY MACRO CALLS:
                    0000      49  ;
                    0000      50  ;       NONE
                    0000      51  ;
                    0000      52  ; EXTERNAL DECLARATIONS:
                    0000      53  ;
                    0000      54          .DSABL   GBL                 ; Force all external symbols to be declared
                    0000      55          .EXTRN   SYS$ASCTIM          ; Convert binary time to ASCII string
                    0000      56  ;
                    0000      57  ; MACROS:
                    0000      58  ;
                    0000      59  ;       NONE
                    0000      60  ;
                    0000      61  ; EQUATED SYMBOLS:
                    0000      62  ;
                    0000      63  ;       NONE
                    0000      64  ;
                    0000      65  ; OWN STORAGE:
                    0000      66  ;
                    0000      67  ;       NONE
                    0000      68  ;
                    0000      69  ; PSECT DECLARATIONS:
                    0000      70  ;
                00000000      71          .PSECT _PAS$CODE PIC, USR, CON, REL, LCL, SHR, -
                    0000      72                  EXE, RD, NOWRT, LONG
                    0000      73
```

```
                        0000     75                  .SBTTL  PAS$TIME - Return system time
                        0000     76  ;++
                        0000     77  ; FUNCTIONAL DESCRIPTION:
                        0000     78  ;
                        0000     79  ;       This routine returns the current system time as hh:mm:ss.cc into
                        0000     80  ;       an 11 character string passed by reference
                        0000     81  ;
                        0000     82  ; CALLING SEQUENCE:
                        0000     83  ;
                        0000     84  ;       CALL PAS$TIME (Time_string.wt.r)
                        0000     85  ;
                        0000     86  ; FORMAL PARAMETERS:
                        0000     87  ;
                        0000     88  ;       Time_string     - 11-character string by reference
                        0000     89  ;
                        0000     90  ; IMPLICIT INPUTS:
                        0000     91  ;
                        0000     92  ;       NONE
                        0000     93  ;
                        0000     94  ; IMPLICIT OUTPUTS:
                        0000     95  ;
                        0000     96  ;       NONE
                        0000     97  ;
                        0000     98  ; ROUTINE VALUE:
                        0000     99  ;
                        0000    100  ;       NONE
                        0000    101  ;
                        0000    102  ; SIDE EFFECTS:
                        0000    103  ;
                        0000    104  ;       NONE
                        0000    105  ;
                        0000    106  ;--
                        0000    107
                0000    0000    108          .ENTRY  PAS$TIME, ^M<>          ; Entry point
                        0002    109
      04 AC     DD      0002    110          PUSHL   4(AP)                   ; Address of string
         0B     DD      0005    111          PUSHL   #11                     ; Length of string
         01     DD      0007    112          PUSHL   #1                      ; CVTFLG = 1 = Return time
         7E     D4      0009    113          CLRL    -(SP)                   ; No TIMADR
   F8 AD 7F             000B    114          PUSHAQ  -8(FP)                  ; Address of TIMBUF descriptor
         7E     D4      000E    115          CLRL    -(SP)                   ; No returned TIMLEN
00000000'GF  04 FB      0010    116          CALLS   #4, G^SYS$ASCTIM        ; Get time
                04      0017    117          RET                             ; Return
                        0018    118
                        0018    119          .END                            ; End of module PAS$TIME
```

PAS$TIME   00000000 RG   01
SYS$ASCTIM   ******** X   00

```
                              +-----------------+
                              ! Psect synopsis !
                              +-----------------+
```

PSECT name   Allocation   PSECT No. Attributes
----------   ----------   --------- ----------
. ABS .   00000000 (0.) 00 (0.) NOPIC   USR   CON   ABS   LCL NOSHR NOEXE NORD   NOWRT NOVEC BYTE
_PAS$CODE   00000018 (24.) 01 (1.)   PIC   USR   CON   REL   LCL   SHR   EXE   RD   NOWRT NOVEC LONG

```
                         +-----------------------------+
                         ! Performance indicators !
                         +-----------------------------+
```

Phase   Page faults   CPU Time   Elapsed Time
-----   -----------   --------   ------------
Initialization   10   00:00:00.11   00:00:01.70
Command processing   73   00:00:00.65   00:00:04.66
Pass 1   64   00:00:00.37   00:00:01.54
Symbol table sort   0   00:00:00.00   00:00:00.00
Pass 2   36   00:00:00.25   00:00:01.61
Symbol table output   2   00:00:00.01   00:00:00.01
Psect synopsis output   1   00:00:00.02   00:00:00.02
Cross-reference output   0   00:00:00.00   00:00:00.00
Assembler run totals   188   00:00:01.41   00:00:09.54

The working set limit was 750 pages.
1145 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.
119 source lines were read in Pass 1, producing 11 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

```
                         +-----------------------------+
                         ! Macro library statistics !
                         +-----------------------------+
```

Macro library name   Macros defined
------------------   --------------
_255DUA28:[SYSLIB]STARLET.MLB;2   0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS$:PASTIME/OBJ=OBJ$:PASTIME MSRC$:PASTIME/UPDATE=(ENH$:PASTIME)

PASREWRIT
LIS

PASSIGNAL
LIS

PASSQR
LIS

PASTRUNCA
LIS

PASUNLOCK
LIS

PASWRIBOO
LIS

PASVECTOR
LIS

PASWRIBIN
LIS

PASUNDEFI
LIS

PASVALIDA
LIS

PASWRIHEX
LIS

PASUM
LIS

PASWRIFF1
LIS

PASTIME
LIS

PASWRIFD1
LIS

PASUPDATE
LIS

PASWRIENU
LIS

PASSTATUS
LIS

PASUFB
LIS

PASWRICHA
LIS